

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

March 12, 2025

David Soule, P.E.
Rio Grande Engineering
P.O. Box 93924
Albuquerque, NM 87199

**RE: 4331 Wyoming Blvd NE
Grading and Drainage Plan
Engineer's Stamp Date: 2/26/25
Hydrology File: G19D004
Case # HYDR-2025-00064**

Dear Mr. Soule:

Based upon the information provided in your submittal received 02/26/2025, the Grading & Drainage Plan is approved for Building Permit and Grading Permit. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter.

PRIOR TO CERTIFICATE OF OCCUPANCY:

1. Engineer's Certification, per the DPM Part 6-14 (F): *Engineer's Certification Checklist For Non-Subdivision* is required.

As a reminder, if the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Doug Hughes, PE, jhughes@cabq.gov, 505-924-3420) 14 days prior to any earth disturbance.

If you have any questions, please contact me at 505-924-3314 or amontoya@cabq.gov.

Sincerely,

Anthony Montoya, Jr., P.E., CFM
Senior Engineer, Hydrology
Planning Department, Development Review Services

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

Weighted E Method

Existing Developed Basins							100-Year, 6-hr.		10-day					
Basin	Area (sf)	Area (acres)	Treatment A % (acres)	Treatment B % (acres)	Treatment C % (acres)	Treatment D % (acres)	Weighted E	Volume (ac-ft)	Flow cfs	Volume (ac-ft)				
ALLOWED PER MASTERPLAN	54207	1.244	0%	0	15.0%	0.187	0.0%	85%	1.058	2.322	0.241	5.21	0.382	
PROPOSED	54207	1.244	0%	0	10.0%	0.124	6.0%	0.07467	84%	1.045	2.319	0.240	5.24	0.380
COMPARISON			0.000		0.062		-0.075		0.012		0.000	0.026	-0.002	

Equations:

Weighted E = Ea**A*a + Eb**A*b + Ec**A*c + Ed**A*d / (Total Area)

Volume = Weighted D * Total Area

Flow = Qa * *A*a + Qb * *A*b + Qc * *A*c + Qd * *A*d

Where for 100-year, 6-hour storm (zone 3)

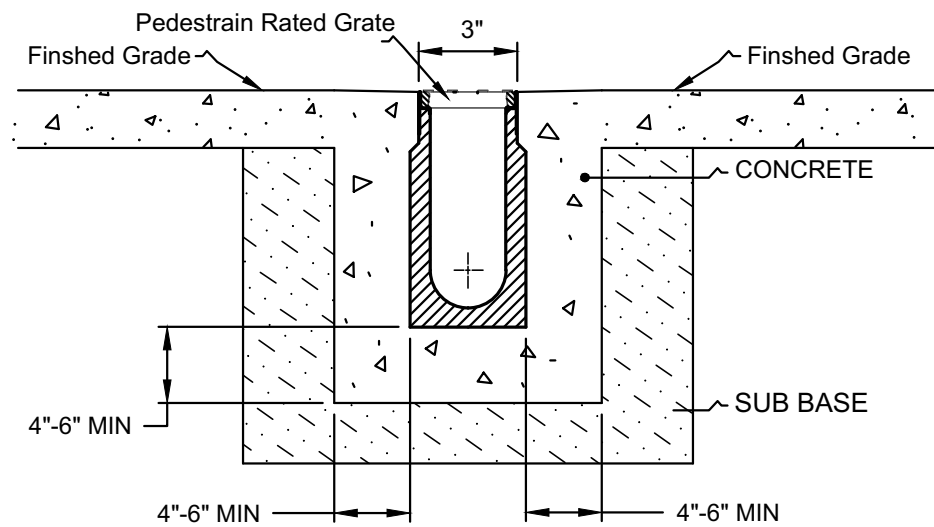
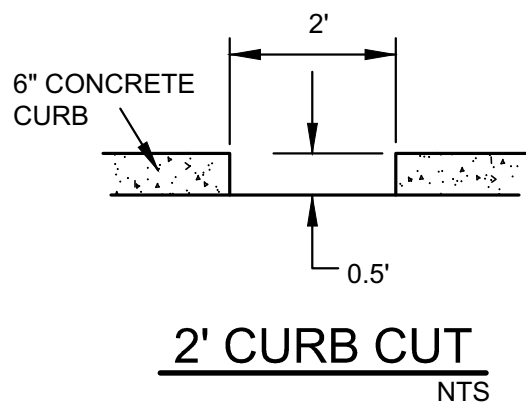
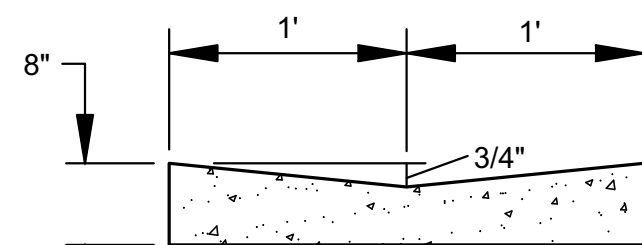
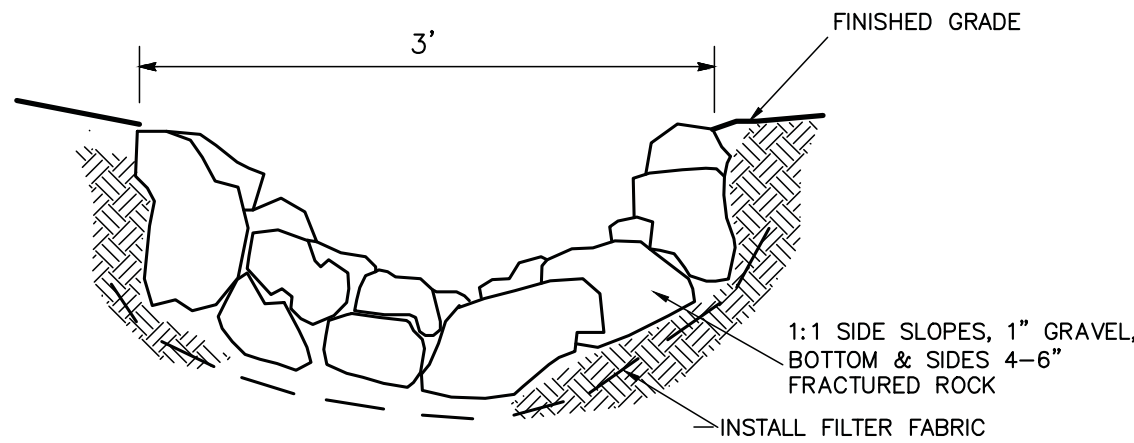
Ea= 0.67
Eb= 0.86
Ec= 1.09
Ed= 2.58

Qa= 1.84
Qb= 2.49
Qc= 3.17
Qd= 4.49

Pond volume required to reduce to below master plan assumption 0.00 cf
Pond volume provided 246 cf

Narrative

The subject property is located within the boundaries of the new Wymont development and La Mirada master drainage plan (G190004). This parcel is located within basin E of the plan. The overall development assumed 55% D and 15% B land treatments or 2.55 cfs per acre. The proposed development conforms to the developed condition assumptions of the master plan and is allowed free discharge. There is a regional water quality pond that accounts for the flow from this site, water harvesting is not required but is proposed



CAUTION:

EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

LOT 11
WYMONT SUBDIVISION

LOT 10

LOT 9

LOT 8

LOT 7

LOT 6

LOT 5

LOT 4

TRACT C
MONT SUBDIVISION

NEW 32 LF OF
24" STORM DRAIN

NEW TYPE "D" INLET
GRATE= 5412.50
INV.= 5408.00

EXISTING 4" MANHOLE
RIM= 5413.75
INV.= 5404.05
PLUG EX. INV. (EAST)
INSTALL NEW 18" RCP (S)

EXISTING
24" STORM DRAIN

INSTALL NEW TYPE "A" INLET
GRATE= 5415.75
MATCH EXISTING
INVERT= 5407.00

2' CURB OPENING
@ 16.05

3' RIP LINED SWALE

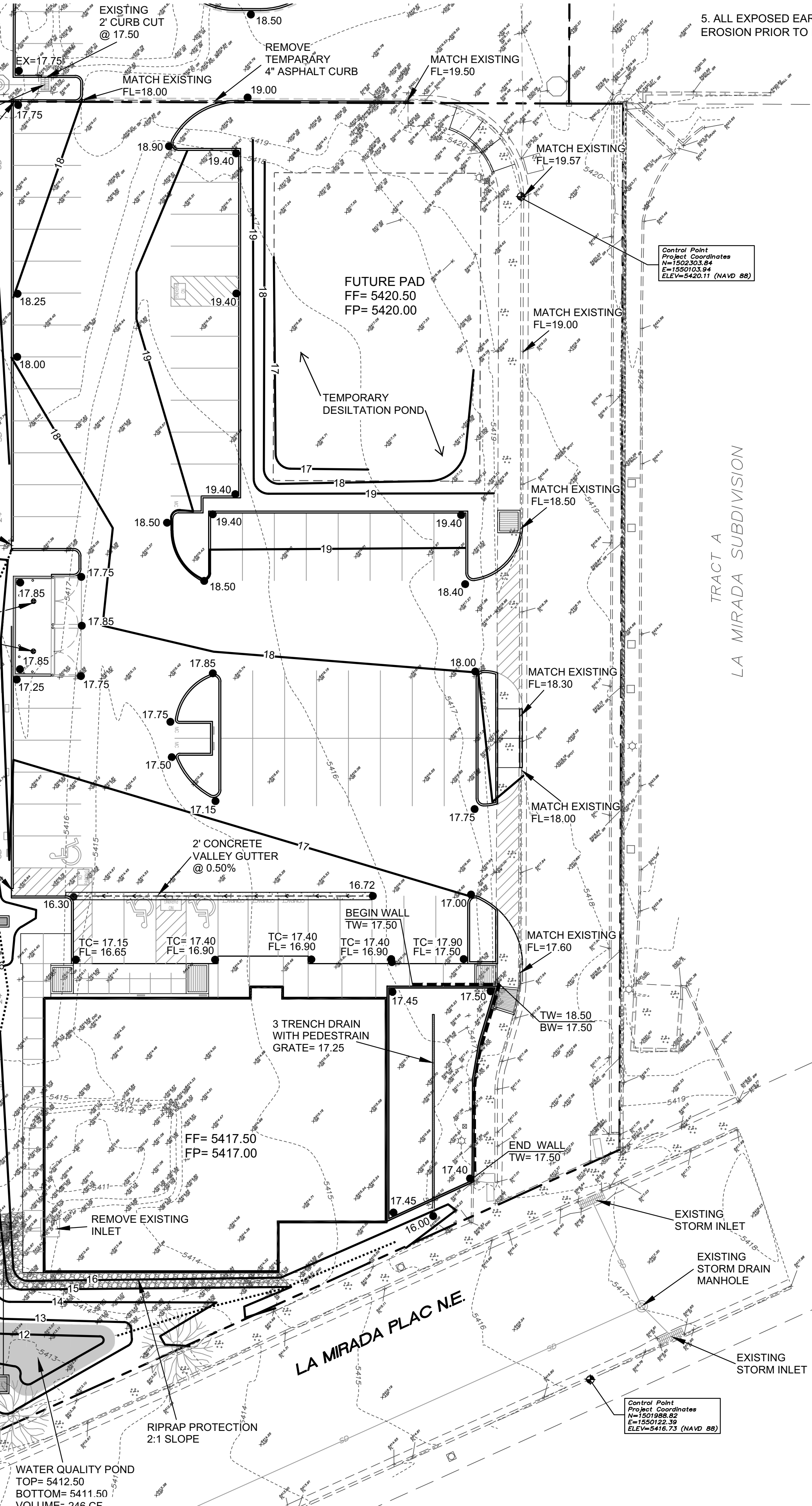
2-AREA DRAIN THRU
GREASE TRAP
TIE TO SANITARY
SEWER SEE UTILITY PLAN

2' CURB OPENING
@ 17.35

EXISTING
24" STORM DRAIN

EXISTING
GRATE @ 17.25

EXISTING
SD MANHOLE



Control Point
Project Coordinates
N=150203.84
E=150103.84
ELEV=5420.11 (NAVD 83)

Control Point
Project Coordinates
N=150198.82
E=150122.39
ELEV=5416.71 (NAVD 83)

TRACT A
LA MIRADA SUBDIVISION

LA MIRADA PLAC NE

REMOVE EXISTING
INLET

WATER QUALITY POND
TOP= 5412.50
BOTTOM= 5411.50
VOLUME= 246 CF

RIPRAP PROTECTION
2:1 SLOPE

EXISTING STORM INLET

EXISTING STORM DRAIN
MANHOLE

EXISTING STORM INLET

END WALL
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BEGIN WALL
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